



Compression testing machine

ALPHA 3-3000 SD

- Accuracy acc. to DIN EN ISO 7500-1, class 1 acc. to EN 12390-4 Strain test execution
- for compression strength tests on material specimens specially acc. to EN 12390-3, EN 12504-1, EN 206
- automatical load increase, control via digital controller DIGIMAXX[®] C-20 with servo valve in closed loop system with comparison of nominal value and actual value

Technical dates – compression test

- Test load max.: 3,000 kN
- Piston stroke: 100 mm
- Upper platen: Ø 320 mm
- Lower platen: Ø 300 mm
- Hardness of platens: 53 HRC
- Test chamber height: 340 mm
- Clear distance between columns: 355 x 255 mm
- Measuring range: 60 ... 3,000 kN
- Display range: 0 ... 3,000 kN
- Electronic load measuring by precision liquid pressure transducer

Compact Station UB 02-C20

- Machine's base with lateral housing for display / control / hydraulic
- Modular design for expansion for up to 4 testing machine frames
- Electric multi-piston hydraulic pump installed in oil-tank
- Micro filter with mechanic dirt display
- Servo control valve
- Pressure limit valve
- Liquid pressure transducer (DMS)
- Electric control

Technical Dates Pump aggregate

- Pump delivery rate: 1.5 l/min.
- Oil tank capacity: 20 ltr.
- Hydraulic oil viscosity: 68 cstk / 40
- Oil filtration: 3 micron
- Electric connection: 3 x 400 V, 50 Hz, 1.5 kW
- Dimensions approx. (Width x Depth x Height): 1,360 x 580 x 1,600 mm
- Weight: approx. 1,780 kg





Technical dates - digital display

- 16 Bit / 48 MHz processor technology
- 100 Hz measuring- and control stroke
- LCD-screen-display, 5 numbers
- Resolution 60,000 digits
- Automatic zero point correction
- Programmable calculation of the strength
- Adjustable drop time
- Display of strength in N/mm² or Mpa or force kN / N
- Peak value memory and reset key
- Code protected calibration / linearization
- Serial interface USB to recall the peak value
- Measuring value store

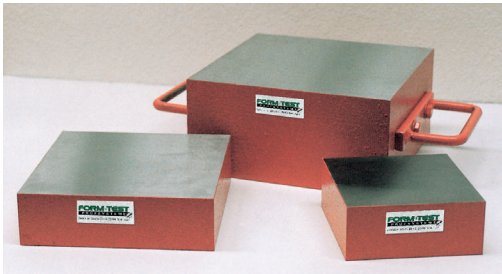
Accessories:

- A** Distance pieces hardened, surface grinded for put on the compression plate
Dimensions:
210 x 210 x 110 mm - 38 kg
170 x 170 x 50 mm - 12 kg
120 x 120 x 50 mm - 6 kg
- B** Distance plates not hardened, surface grinded for put in between compression plate and piston
Dimensions:
Ø 300 x 60 mm - 33 kg
Ø 300 x 50 mm - 27 kg
- C** Compression test device
- D** Tensile splitting test device
- E** Building material software PROTEUS

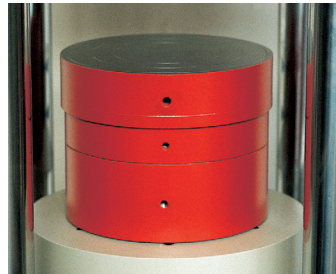
Options:

- Bigger (higher) test chamber
- Bigger compression plates
Dimensions:
320 x 320 x 75 mm
320 x 420 x 75 mm
320 x 520 x 75 mm

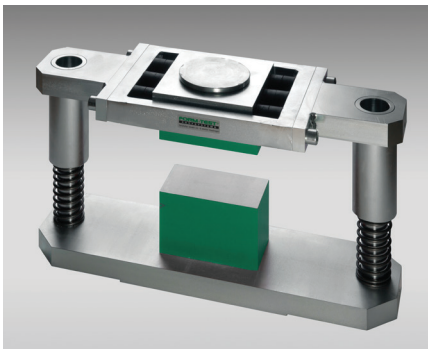
A



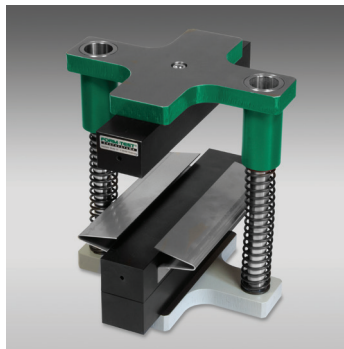
B



C



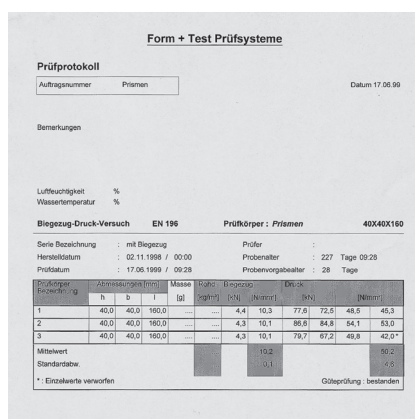
D



E



E



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